

Worksheet (1) | The Primary Stage of Grades (4-5)
 2023-2024

Name: Answer Key
 Date: / 11 / 2023

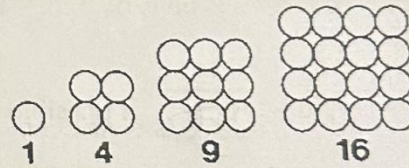
Subject: Math
 Class: Grade 5 (C, D, E, F & G)

Objective/s:

- To recognize square numbers
- To know and apply tests of divisibility by 2, 3, 4, 5, 6, 9, 10, 25 and 100.
- To recognize prime numbers up to 20 and find all prime numbers less than 100.

Square number

Is the product of a number multiplied by itself;
 For example 25 is the square number of 5.



1) List all the square numbers from 1 to 144.

1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144

2) Fill in the missing numbers :

a) $9 = \boxed{3}^2$

b) $\boxed{7} \times \boxed{7} = 49$

c) $\boxed{6}^2 + \boxed{8}^2 = 100$

d) 9 squared = $\boxed{81}$

a) 62 is divisible by 2.

b) 995 is divisible by 5.

c) 975 is divisible by 25 .

d) 870 is divisible by 10.

e) 876 is divisible by 4 .

f) 900 is divisible by 100.

g) 634 is divisible by 2 .

Divisibility Rule	
2	The number is even.
3	The sum of the digits is divisible by 3.
4	The last two digits of the number is divisible by 4.
5	The number ends in either 0 or 5.
6	The number is divisible by both 2 and 3.
9	The sum of the digits is divisible by 9.
PRIME	A number is prime when it is only divisible by 1 and itself.

4) Write true or false.

a) 34.0 is divisible by 10.

False

b) 48065 is not divisible by 2.

True

c) 8418 is divisible by 4.

False

d) 978 is not divisible by 6.

False

Prime and Composite numbers

A **PRIME** number is:

A number that has only 2 factors, 1 and the number itself.

For example: 7

$$(1) \times (7) = 7$$

7 has only 2 factors: 1 and 7

So, 7 is a prime number

A **COMPOSITE** number is:

A number that has more than 2 factors.

For example: 6

$$(6) \times (1) = 6$$

$$(2) \times (3) = 6$$

6 has 4 different factors: 1, 2, 3, 6

So, 6 is a composite number.

5) Write the factors for each of the following numbers, then decide if it is a prime or a composite number.

a) 27 Factors : 1, 3, 9, 27 Prime <u>Composite</u>	b) 39 Factors : 1, 3, 13, 39 Prime <u>Composite</u>	c) 48 Factors : 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 Prime <u>Composite</u>
d) 19 Factors : 1, 19 <u>Prime</u> Composite	e) 2 Factors : 1, 2 <u>Prime</u> Composite	f) 15 Factors : 1, 3, 5, 15 Prime <u>Composite</u>
g) 36 Factors : 1, 2, 3, 4, 6, 9, 12, 18, 36 Prime <u>Composite</u>	h) 49 Factors : 1, 7, 49 Prime <u>Composite</u>	i) 91 Factors : 1, 7, 13, 91 Prime <u>Composite</u>

6) Identify the following numbers:

a) The number is even.

It is a multiple of 4.

It is a factor of 24.

It is between 10 and 20.

12

b) The number is less than 80.

It is a multiple of 5.

The sum of the digits is 9

It is odd.

45

c) The number is prime.

It is less than 50.

It has two digits which are
both the same.

11

d) The number has 9 factors.

It is between 10 and 99

The sum of the digits is 9.

It is even.

It is a square number.

36